EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		microphone same (time adj delay$4) same distance same sound port, the variable "c" equals approximately "345,000" millimeters per second, and the variable "u" equals f[wz + d22 - "2" dz w cos(K: -q~)] with the variable "d2" being equal to the distance between the first and second input sound ports, with the variable "~:" being equal to the angle of an ear reference point adjacent to the receiver and the second input sound port, and with the variable "qJ" being equal to the angle of the first input sound port and the second input sound "port."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 15:37
		(((455/63.1or455/67. 13or455/295-296or455/570).ccls.)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/22 16:50
		(second adj omnidirectional adj microphone) and processor and delay$4 and subtract$4 and	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:33
L1	4310	((455/63.1 or 455/67.13 or 455/295-296 or 455/570).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 15:48
L2	8	microphone same (time adj delay$4) same distance same sound same (formula or equation$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 15:38
L3	38	microphone same (delay$4) same distance same sound same (formula or equation$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 15:41
L4	3	2 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 15:41
L5	0	1 and 3 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 15:42

EAST Search History

L6	3178	microphone and (delay$4) and distance and sound and (formula or equation$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:10
L7	12	1 and 6 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 15:49
L8	122571	(("455"/$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 15:49
L9	44163	(("381"/$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 15:49
L10	65	8 and 6 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 16:09
L11	413	9 and 6 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 16:12
L12	169	(second adj microphone$1) and (delay$4) and distance and sound and (formula or equation$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:10
L13	173814	(cellular or mobile) adj phone$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:11
L14	317185	(cellular or mobile) adj $4phone$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:11
L15	7	9 and 12 and 14 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 16:12

EAST Search History

S1	49	(("6138040") or ("6223154") or ("6223154") or ("5600709") or ("5930725") or ("6122531") or ("20040114772") or ("4525793") or ("5842139") or ("5907823") or ("6118882") or ("6304844") or ("20010036174") or ("20040209658") or ("20050078844") or ("20050239487") or ("4912758") or ("5526408") or ("4945570") or ("20060116779") or ("5459702") or ("5913178") or ("6011853") or ("6163609") or ("6163711") or ("6243594") or ("6449593") or ("6537200") or ("6542436") or ("6570500") or ("6892077") or ("6892081") or ("20010027089") or ("20020001317") or ("20020071581") or ("20030008678") or ("20030090377") or ("20050181821") or ("5991646") or ("5588041") or ("5953674") or ("6002945") or ("6081724") or ("6192126") or ("6097971") or ("5185803") or ("5632001") or ("5790632") or ("5956681") or ("5960367")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/03/01 16:30
S2	3	(("5,303,307") or ("5,473,701") or ("5,506,908")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/03/01 16:30
S3	38	("4485484" \| "4536887" \| "4653102" \| "4802227" \| "4956867" \| "5267320").PN. OR ("5473701"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 12:26
S4	0	(second adj omnidirectional adj microphone) same processor same (time adj delay) same subtract$4 same null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:29
S5	0	(second adj omnidirectional adj microphone) same processor same delay same subtract$4 same null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:35
S6	0	(second adj omnidirectional adj microphone) same delay$4 same subtract$4 same null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:30

EAST Search History

S7	3	(second adj omnidirectional adj microphone) same delay$4 same subtract$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:30
S8	0	(second adj omnidirectional adj microphone) and processor and delay$4 and subtract$4 and null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:34
S9	0	(second adj omnidirectional adj microphone) and delay$4 and subtract$4 and null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:34
S10	0	(second adj omnidirectional adj microphone) and null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 15:30
S11	136	(second adj microphone) and null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 15:31
S12	62	(second adj microphone) and processor and delay$4 and subtract$4 and null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:37
S13	0	(second adj microphone) same processor same delay same subtract$4 same null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:35
S14	1	(second adj microphone) same delay same subtract$4 same null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:37
S15	1	(second adj microphone) same delay same null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 12:37
S16	25	S12 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 15:39
S17	1	("7146013").PN.	USPAT; USOCR	OR	OFF	2007/05/19 14:21
S18	1	"7146013"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 14:21

EAST Search History

S19	14	("4658426" \| "5208864" \| "5303307" \| "5402496" \| "5442813" \| "5471538" \| "5473702" \| "5675655" \| "5754665" \| "5796819" \| "6061456" \| "6430295" \| "6760449" \| "6999541").PN. OR ("7146013"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 14:21
S20	29	("4370523" \| "4589137" \| "4741038" \| "4802227" \| "4888807" \| "5033082" \| "5243661").PN. OR ("5471538").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 15:03
S21	1	"7206418"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 15:03
S22	13	("20020009203" \| "20020138254" \| "20030233213" \| "20040092297" \| "5353376" \| "5473684" \| "5602962" \| "5610991" \| "5740256" \| "5754665" \| "6430295" \| "6453285" \| "6594367").PN. OR ("7206418"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 15:03
S23	19	("5610991").URPN.	USPAT	OR	ON	2007/05/19 15:07
S24	19	("4536887" \| "4802227" \| "5012519").PN. OR ("5602962"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 15:12
S25	0	(second adj (omnidirectional or unidirectional or non-directional) adj microphone) and null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:02
S26	136	(second adj microphone) and null$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/19 15:32
S27	617	((381/92).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/19 15:32
S28	44149	(("381"/$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/19 15:32
S29	122466	(("455"/$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/19 15:32

EAST Search History

S30	24	S26 and S27 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:03
S31	2	S26 and S29 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:03
S32	60	S26 and S28 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/19 15:41
S33	0	(second adj (omnidirectional or unidirectional or non-directional) adj microphone) and null$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 09:23
S34	23	(second adj (omnidirectional or unidirectional or non-directional) adj microphone)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:02
S35	136	(second adj microphone) and null$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/21 17:10
S36	0	S35 and S34 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:03
S37	122466	(("455"/$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/21 17:04
S38	0	S34 and S37 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:04
S39	0	S34 and (("455"/$).ccls.) and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:18
S40	1923	(second adj microphone)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/21 17:16
S41	110250	(cellular or mobile) adj phone$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/23 16:11

EAST Search History

S42	90	S40 and S41 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:22
S43	42	S40 and S41 and hous$4 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:29
S44	1	"7190797"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/21 17:29
S45	11	("20020194005" \| "20040052364" \| "3946168" \| "4420657" \| "5504813" \| "5715321" \| "6016347" \| "6490362" \| "6644614" \| "6768804" \| "6819762").PN. OR ("7190797"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 17:32
S46	1	("6812954").PN.	USPAT; USOCR	OR	OFF	2007/05/21 17:32
S47	4310	((455/63.1 or 455/67.13 or 455/295-296 or 455/570).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 15:34
S48	1	delay same $4speaker$1 same (impulse adj response) same (second adj microphone$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:59
S49	119	delay and $4speaker$1 and (impulse adj response) and (second adj microphone$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 11:29
S50	4	S47 and S49 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/22 17:01
S51	119	delay$4 and $4speaker$1 and (impulse adj response) and (second adj microphone$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 11:35

EAST Search History

S52	122571	(("455"/$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 12:01
S53	4	S51 and S52 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 12:01
S54	44163	(("381"/$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 12:01
S55	45	S51 and S54 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/23 12:01